



## **E911 UNINTERRUPTIBLE POWER SUPPLY (UPS) SUPPORT POLICY**

**Cancels:**  
None

**See Also:**  
WAC 118-66-050  
WAC 118-66-030  
RCW 82.14B.030(3)  
RCW 82.14B.030(4)

### **E911 UNINTERRUPTIBLE POWER SUPPLY (UPS) SUPPORT POLICY**

Uninterruptible power supply (UPS) for PSAP enhanced 9-1-1 equipment in accordance with WAC 118-66-050 is eligible for reimbursement as an eligible Enhanced 911 expense. An E911 UPS is defined in WAC 118-66-030 as a system designed to provide power, without delay or electrical transients, during a period when the normal power supply is incapable of performing acceptably.

*This policy applies to all Washington State County Public Safety Answering Points (PSAPs) that have operations contracts with the State E911 Office.*

#### **1. Background**

- a. Expenses associated with the components of an E911 UPS are shared with wireline and wireless enhanced 9-1-1 services. As such, these expenses may be eligible for reimbursement from enhanced 9-1-1 account funds generated under the statewide wireline enhanced 9-1-1 excise tax (RCW 82.14B.030(3)) and from enhanced 9-1-1 account funds generated under the statewide wireless enhanced 9-1-1 excise tax (RCW 82.14B.030(4)).
- b. Prior to approval of this policy, the State E911 Office has reimbursed for UPS systems that support PSAP enhanced 9-1-1 equipment.

#### **2. Analysis**

- a. An uninterruptible power supply (UPS) provides electrical power to emergency services equipment in the event of a loss of commercial power at the PSAP. The role of the UPS is to maintain operation of critical components of the PSAP equipment long enough for commercial power or auxiliary generators to come on line and become stable.
- b. Instructions on how to size an E911 UPS are available in the National Emergency Numbering Association (NENA) document number: NENA-04-001 – NENA Recommended Generic Standards for E9-1-1 PSAP Equipment.
- c. In addition to the commercial power source, a reserve battery power supply or UPS shall be available to provide a minimum of 30 minutes of emergency power for full functionality of the following listed elements of the E9-1-1 system.
- d. Listed Elements
  - E9-1-1 Call Taker equipment
  - ANI and ALI controllers
  - ALI link modems and Network interfaces
  - Telephone common equipment

- Intelligent workstation (IWS) common equipment
- TDD/TTY Devices
- CDR Printer
- PSAP Master Clock

**3. Decision**

- a. The State E911 Office will reimburse eligible county PSAPs for the purchase and installation of the hardware and software components required to support an enhanced 9-1-1 Uninterruptible Power Supply (UPS) subject to the conditions and limitations in this policy. *The requested amount must be reasonable, prudent, and applicable to 911. Prior to purchasing the equipment, written approval must be received from the State 911 Coordinator.*
- b. Maintenance or time and materials of a UPS should not exceed 10 percent of the eligible purchase including upgrades.

**Approved by:**

  
Robert Oenning, State E911 Administrator

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